

Abstract of the Disclosure

An electric motor with an electromagnetic brake is disclosed, particularly for use in an angle grinder, which has a stator having at least one pole pair, in which at least one pole has a pole shoe which points to the inside towards the rotor periphery and is surrounded by a stator winding. The pole accommodates the brake means for braking of the rotor of the electric motor. The brake element can be adjusted against the braking force by the magnetic field of the stator winding when the motor is activated. The brake element is constructed of magnetically conductive material as a rocker which is exposed to the braking force off-center of the swivel axis of the brake element. As a result of the off-center application of force the brake element having a disengagement arm can be arranged in the magnetic flux of the stator winding such that a high disengagement moment can be achieved and rapid braking can occur at shutoff.